



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Kenneth J. LIVAK *et al.*

Application No.: 09/816,150

Group Art Unit: 1645

Filed: March 26, 2001

Examiner: To be assigned

For: IMPROVED INVASION ASSAY

Attorney Docket. No.: 9584-018

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination on the merits, please enter the following amendments and remarks into the file of the above-captioned application.

**Amendments**

**In The Specification**

On page 4, starting from line 12, please delete the following paragraph:

FIG. 8 shows transformed signals (top panel) and the residuals obtained when a linear model is fit to signals from wells 5 and 19 in the data set of Table 1.

Please rewrite the paragraph starting at page 16, line 18, to provide the following:

Using transformed signals from wells 5 and 19 of the data described in Example 1, residuals from fitting a linear growth model to the negative (well 5) and positive (well 19) profiles were obtained. In the case of well 5, where the signal growth is linear, the residuals exhibit the expected behavior; they are distributed about zero and cross the "zero line" very frequently. By contrast, the residuals from well 19, where the signal growth is quadratic, cluster on the positive side of zero and the negative side of zero, and do not cross the zero line as frequently. The larger the deviation from linearity, the fewer the number of crossing. Thus, the number of zero crossings in a population of residuals obtained after fitting a linear model to a time-